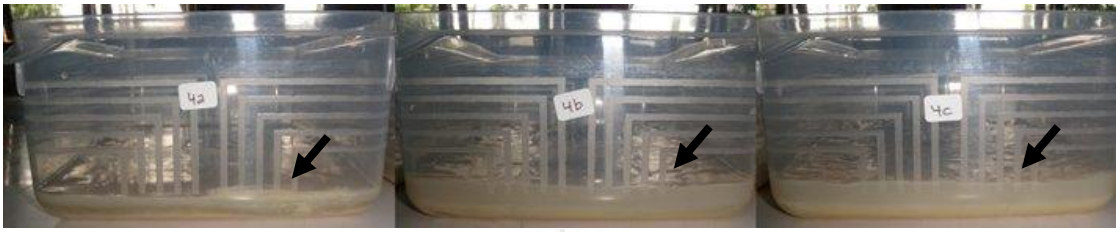
Perpustakaan Unika

Lampiran 1. Gambar Nata



(a) (b) (c)

Gambar 11. *Nata de Apple* Hasil Uji Pendahuluan dalam Plastik *Box* dengan Berbagai Konsentrasi Starter (a) 10%, (b) 20%, dan (c) 30%

Gambar 12. Lembaran *Nata de Apple*

Gambar 13. Perebusan *Nata de apple*

Lampiran 2. SNI Nata dalam Kemasan

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Lampiran 3. *Worksheet* Uji *Rating* Hedonik Nata

WORKSHEET UJI RATING HEDONIK

Tanggal : 1 Febuari 2011

Jenis sample : Nata

Identifikasi	**Kode**
Nata de Apple sari murni ZA	A
Nata de Apple sari murni Yeast	B
Nata de Apple sari ampas ZA	C
Nata de Apple sari ampas Yeast	D
Nata de Coco	E

Kode kombinasi urutan penyajian

ABCDE = 1
BCDAE = 2
CDABE = 3
DABCE = 4
EABCD = 5
ACDEB = 6
BECAD = 7
DEBAC = 8
ECABD = 9
BCDEA = 10

Rekap kode sampel

1	721 967 986 728 191
2	538 824 859 333 464
3	216 259 172 612 218
4	135 681 845 254 167
5	245 165 213 312 365
6	823 138 415 845 264
7	387 189 142 273 756
8	143 372 391 723 247
9	383 263 395 274 246
10	777 698 249 491 382

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Lampiran 4. *Scoresheet* Uji *Rating* Hedonik Nata

UJI RATING HEDONIK

Nama : Tanggal :
Produk : Nata
Kriteria : **Warna**

Instruksi :
Di hadapan Anda terdapat 5 sampel produk nata.
Amatilah masing-masing sampel. Berilah skor (1) untuk sampel dengan warna yang paling tidak disukai hingga skor (7) untuk sampel dengan warna yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

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UJI RATING HEDONIK

Nama : Tanggal :
Produk : Nata
Kriteria : **Kekenyalan**

Instruksi :
Di hadapan Anda terdapat 5 sampel produk nata.
Ambil masing-masing sampel dan gigit sampel dengan gigi Anda. Berilah skor (1) untuk sampel dengan tingkat kekenyalan yang paling tidak disukai hingga skor (7) untuk sampel tingkat kekenyalan yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

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Perpustakaan Unika

UJI RATING HEDONIK

Nama : Tanggal :
Produk : Nata
Kriteria : ***Overall***

Instruksi :
Di hadapan Anda terdapat 5 sampel produk nata.
Amatilah masing-masing sampel. Berilah skor (1) untuk sampel yang paling tidak disukai hingga skor (7) untuk sampel yang paling disukai. Pemberian skor untuk tiap-tiap sampel boleh mengalami pengulangan.

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Perpustakaan Unika

Lampiran 5. SPSS Uji Normalitas Karakteristik Fisik dan Kimia Berbagai Perlakuan *Nata de Apple*

Tests of Normality

		Kolmogorov-Smirnov(a)			Shapiro-Wilk		
	perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Tebal	1.00	.267	6	.200(*)	.936	6	.624
	2.00	.122	6	.200(*)	.982	6	.961
	3.00	.230	6	.200(*)	.916	6	.480
	4.00	.211	6	.200(*)	.955	6	.779
Kekerasan	1.00	.189	6	.200(*)	.910	6	.434
	2.00	.235	6	.200(*)	.882	6	.281
	3.00	.189	6	.200(*)	.970	6	.893
	4.00	.228	6	.200(*)	.916	6	.477
Kekenyalan	1.00	.189	6	.200(*)	.967	6	.875
	2.00	.187	6	.200(*)	.920	6	.504
	3.00	.227	6	.200(*)	.921	6	.511
	4.00	.308	6	.077	.782	6	.040
pH_sebelum	1.00	.225	6	.200(*)	.921	6	.515
	2.00	.213	6	.200(*)	.950	6	.741
	3.00	.293	6	.117	.843	6	.139
	4.00	.213	6	.200(*)	.950	6	.741
pH_sesudah	1.00	.225	6	.200(*)	.921	6	.515
	2.00	.307	6	.081	.824	6	.096
	3.00	.199	6	.200(*)	.977	6	.934
	4.00	.146	6	.200(*)	.990	6	.989
gula_sebelum	1.00	.259	6	.200(*)	.794	6	.052
	2.00	.251	6	.200(*)	.937	6	.638
	3.00	.254	6	.200(*)	.928	6	.568
	4.00	.302	6	.094	.775	6	.035
gula_sesudah	1.00	.283	6	.143	.921	6	.514
	2.00	.199	6	.200(*)	.959	6	.814
	3.00	.254	6	.200(*)	.866	6	.212
	4.00	.223	6	.200(*)	.908	6	.421
serat_kasar	1.00	.287	6	.134	.842	6	.137
	2.00	.196	6	.200(*)	.899	6	.369
	3.00	.207	6	.200(*)	.902	6	.385
	4.00	.240	6	.200(*)	.903	6	.391

Perpustakaan Unika

* This is a lower bound of the true significance.

a Lilliefors Significance Correction

Lampiran 6. SPSS Uji Beda Karakteristik Fisik dan Kimia Berbagai Perlakuan *Nata de Apple*

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
tebal	Between Groups	.140	3	.047	15.313	.000
	Within Groups	.061	20	.003		
	Total	.200	23			
kekerasan	Between Groups	1155.149	3	385.050	8.111	.001
	Within Groups	949.436	20	47.472		
	Total	2104.585	23			
kekenyalan	Between Groups	.375	3	.125	12.958	.000
	Within Groups	.193	20	.010		
	Total	.568	23			
pH_sebelum	Between Groups	.386	3	.129	114.189	.000
	Within Groups	.023	20	.001		
	Total	.409	23			
pH_sesudah	Between Groups	.410	3	.137	64.289	.000
	Within Groups	.043	20	.002		
	Total	.453	23			
gula_sebelum	Between Groups	192.155	3	64.052	124.816	.000
	Within Groups	10.263	20	.513		
	Total	202.418	23			
gula_sesudah	Between Groups	185.151	3	61.717	58.421	.000
	Within Groups	21.128	20	1.056		
	Total	206.280	23			
serat_kasar	Between Groups	.686	3	.229	12.095	.000
	Within Groups	.378	20	.019		
	Total	1.065	23			

Perpustakaan Unika

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
murni_za	Between Groups	.108	1	.108	94.174	.000
	Within Groups	.012	10	.001		
	Total	.120	11			
murni_yeast	Between Groups	.068	1	.068	60.994	.000
	Within Groups	.011	10	.001		
	Total	.079	11			
ampas_za	Between Groups	.118	1	.118	65.258	.000
	Within Groups	.018	10	.002		
	Total	.136	11			
ampas_yeast	Between Groups	.120	1	.120	49.046	.000
	Within Groups	.024	10	.002		
	Total	.144	11			

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
murni_za	Between Groups	1.203	1	1.203	3.989	.074
	Within Groups	3.017	10	.302		
	Total	4.220	11			
murni_yeast	Between Groups	18.750	1	18.750	12.266	.006
	Within Groups	15.287	10	1.529		
	Total	34.037	11			
ampas_za	Between Groups	2.803	1	2.803	5.555	.040
	Within Groups	5.047	10	.505		
	Total	7.850	11			
ampas_yeast	Between Groups	15.188	1	15.188	18.886	.001
	Within Groups	8.042	10	.804		
	Total	23.229	11			

Perpustakaan Unika

tebal

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
1.00	6	.8950	
3.00	6		1.0450
2.00	6		1.0500
4.00	6		1.0983
Sig.		1.000	.128

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

kekerasan

Duncan

perlakuan	N	Subset for alpha = .05		
	1	2	3	1
1.00	6	25.6206		
3.00	6	32.9971	32.9971	
4.00	6		39.8779	39.8779
2.00	6			43.8378
Sig.		.078	.099	.331

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

kekenyalan

Duncan

perlakuan	N	Subset for alpha = .05		
	1	2	3	1
2.00	6	.0690		
4.00	6		.1946	
3.00	6			.3648
1.00	6			.3665
Sig.		1.000	1.000	.976

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

Perpustakaan Unika

pH_sebelum

Duncan

perlakuan	N	Subset for alpha = .05		
	1	2	3	1
1.00	6	3.2650		
3.00	6	3.3033		
2.00	6		3.4567	
4.00	6			3.5833
Sig.		.062	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

pH_sesudah

Duncan

perlakuan	N	Subset for alpha = .05		
	1	2	3	1
1.00	6	3.0750		
3.00	6	3.1050		
2.00	6		3.3067	
4.00	6			3.3833
Sig.		.273	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

gula_sebelum

Duncan

perlakuan	N	Subset for alpha = .05		
	1	2	3	1
3.00	6	11.1333		
4.00	6	11.4167		
1.00	6		15.7167	
2.00	6			17.7667
Sig.		.501	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

Perpustakaan Unika

gula_sesudah

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
4.00	6	9.1667	
3.00	6	10.1667	
1.00	6		15.0833
2.00	6		15.2667
Sig.		.107	.761

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

serat_kasar

Duncan

perlakuan	N	Subset for alpha = .05	
	1	2	1
1.00	6	1.1083	
3.00	6		1.4400
2.00	6		1.4550
4.00	6		1.5583
Sig.		1.000	.173

Means for groups in homogeneous subsets are displayed.

a Uses Harmonic Mean Sample Size = 6.000.

Lampiran 7. SPSS Uji Beda pada Sensori *Nata de Apple*

Kruskal-Wallis Test

Test Statistics(a,b)

	warna	kekenyalan	overall
Chi-Square	71.530	46.030	68.545
df	4	4	4
Asymp. Sig.	.000	.000	.000

a Kruskal Wallis Test

b Grouping Variable: perlakuan

Perpustakaan Unika

Mann-Whitney Test

1 vs 2

Test Statistics(a)

	warna	kekenyalan	overall
Mann-Whitney U	288.500	219.000	133.500
Wilcoxon W	753.500	684.000	598.500
Z	-2.473	-3.512	-4.830
Asymp. Sig. (2-tailed)	.013	.000	.000

a Grouping Variable: perlakuan

2 vs 3

Test Statistics(a)

	warna	kekenyalan	overall
Mann-Whitney U	443.000	394.500	450.000
Wilcoxon W	908.000	859.500	915.000
Z	-.107	-.843	.000
Asymp. Sig. (2-tailed)	.915	.399	1.000

a Grouping Variable: perlakuan

2 vs 4

Test Statistics(a)

	warna	kekenyalan	overall
Mann-Whitney U	169.000	338.000	226.500
Wilcoxon W	634.000	803.000	691.500
Z	-4.254	-1.714	-3.442
Asymp. Sig. (2-tailed)	.000	.087	.001

a Grouping Variable: perlakuan

Perpustakaan Unika

3 vs 4

Test Statistics(a)

	warna	kekenyalan	overall
Mann-Whitney U	152.500	271.500	226.500
Wilcoxon W	617.500	736.500	691.500
Z	-4.514	-2.711	-3.442
Asymp. Sig. (2-tailed)	.000	.007	.001

a Grouping Variable: perlakuan

3 vs 5

Test Statistics(a)

	kekenyalan	overall
Mann-Whitney U	325.500	201.000
Wilcoxon W	790.500	666.000
Z	-1.903	-3.839
Asymp. Sig. (2-tailed)	.057	.000

a Grouping Variable: perlakuan

4 vs 5

Test Statistics(a)

	warna	kekenyalan	overall
Mann-Whitney U	396.000	438.000	427.500
Wilcoxon W	861.000	903.000	892.500
Z	-.846	-.184	-.362
Asymp. Sig. (2-tailed)	.397	.854	.718

a Grouping Variable: perlakuan